

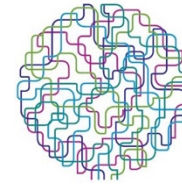


Transition Technologies PSC sp. z o. o.
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This presentation is for

- Workshop 1** Big Data
- Workshop 3** Photonics and Micro-and-Nanoelectronics
- Workshop 2** Robotics
- Workshop 4** internet of Things

Description of the Organization



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- TT-PSC is a member of the Transition Technologies Holding established over 25 years ago. Currently we employ over 200 software experts in PSC alone, and a total of over 1000 in the Holding.
- We focus on technologies and solutions for industry, including:
 - industrial automation,
 - proces monitoring/control/optimisation and forecasting,
 - product and service lifecycle management,
 - IoT, Augmented Reality and Human-Machine Interfaces (incl. Natural Language Processing).
- Relevant EU Project experience:
 - Member of IMPROVE Project (<http://improve-vfof.eu>) – Innovative Modelling Approaches for Production Systems to Raise Validatable Efficiency

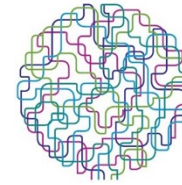
Description of the your research interest



- TT has been granted an R&D Center status by the National Center for Research and Development (NCBiR, Poland).
- We have a strong history of R&D activities in industrial solutions, such as PLM, SLM and IoT.
- Points of interest:
 - Usage of IoT in Industry 4.0 applications:
 - Situational awareness, process optimization and decision support
 - Predictive maintenance
 - Increase of OEE and reduction of MRO costs
 - Implementation of the Digital Twin concept.
 - Augmented Reality and Human-Machine Interfaces
 - Multilingual Natural Language Processing
- Concept/scenarios:
 - <https://www.youtube.com/watch?v=nLnO4ADHE6g>
 - <https://www.youtube.com/watch?v=Z77ooeFVMW4>

IoT-03-2017 (RIA) R&I on IoT integration and platforms

Digital Twin – IoT Solutions for Smart Interactive Manufacturing and Maintenance Execution



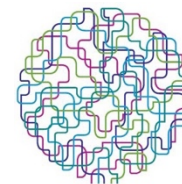
- Objectives: Building European industrial leadership through taking advantage of IoT and related technologies for:
 - Safe integration of data from sensors and enterprise systems
 - Reduction of silos required for manufacturing processes
 - Improvement in visibility and democratization of decision making by replacing assumptions with facts
- Expected results:
 - smart manufacturing operations including Total Productive Maintenance
 - smart MRO operations, technical information delivery and after-sales services
 - industrial automation, process monitoring/diagnosis/optimisation
 - factory workplace and employee adaptation

Consortium - profile of known partners *(if any)*



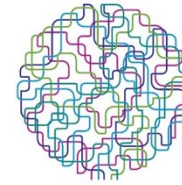
No	Partner Name	Type	Country	Role in the Project
01	Queen's University Belfast	RTD	Ireland	Centra for Statistical Science and Operations Research
02	I-care	SME	Belgium	Condition monitoring
03	Seagate	IND	Ireland	High-tech manufacturer
04	–	IND	Poland	Major (world-leading) IoT platform provider
05				
06				
07				
08				

Consortium - required partners



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No	Expertise	Type	Country	Role in the project
01	Manufacturer	IND		Pilot site for AR and IoT implementations (End user)
02				
03				
04				
05				
06				
07				
08				



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Recommendations



- The presentation **has to** last up to **4 minutes (maximum)**
- Do not overload your slides
- Provide weblinks to additional material
- Slides should be in English
- Do not use videos etc. – they might be not supported by the Infoday IT system
- Send your presentation in PDF or PPTX format to: ICT@turkeyinH2020.eu
before November 21, 2016.